

School Internet Bandwidth Survey

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Iowa School Finance Information
Services



Summary

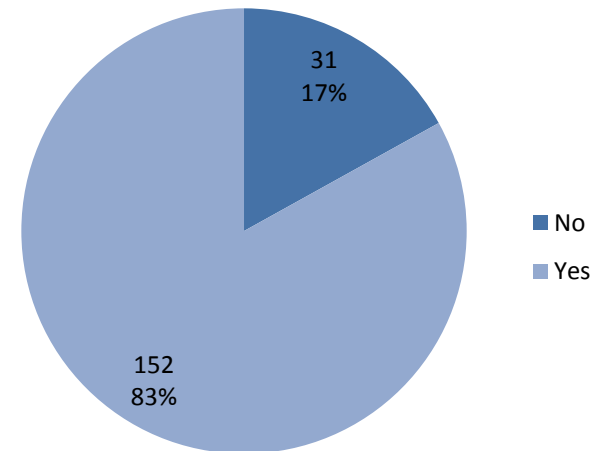
- K-12 public school districts were surveyed February 19 – 28.
- Responses were received from 183 school districts (52.6% response rate).
- All ranges of enrollments and settings responded – from very small to very large.
- Survey responses summarized by whether all buildings share same level of internet bandwidth.

Questions:

- Do all buildings share same level of internet bandwidth?
- What bandwidth is provided?
- Service provider?
- Cost per month?
- Level of satisfaction with provider?
- Level of satisfaction with cost?

“Do all buildings in the district share the same level of internet access?”

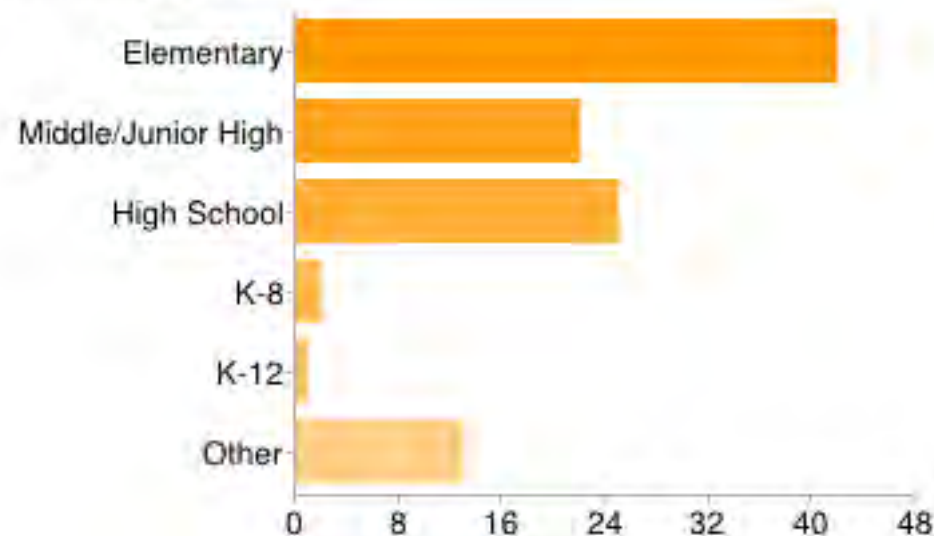
- 31 (16.9%) school districts reported having different levels of internet access among the buildings.
- 152 (83.1%) school districts reported having the same level of internet access among the buildings.



Building Type

- A cross section of buildings represented:

Building Type:



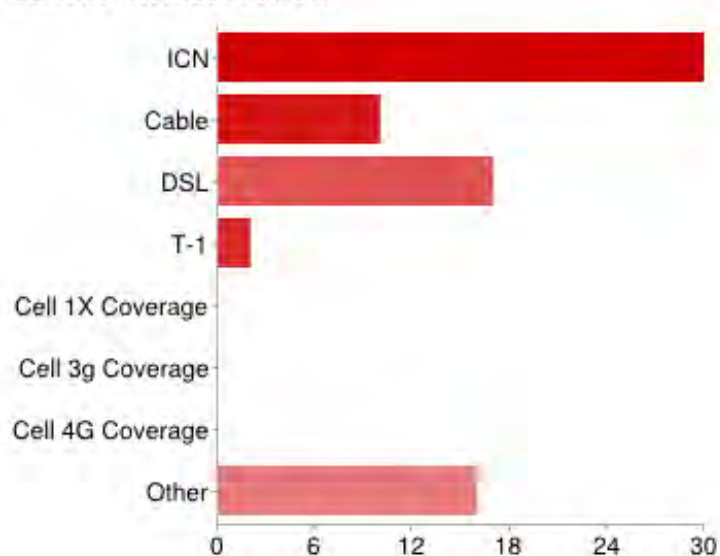
Elementary	42	40%
Middle/Junior High	22	21%
High School	25	24%
K-8	2	2%
K-12	1	1%
Other	13	12%

Current Provider

- A majority of schools utilize the ICN for internet provision.
- Schools with different levels of internet bandwidth utilize cable and DSL where ICN is not available.

Current Provider

Current Internet Provider

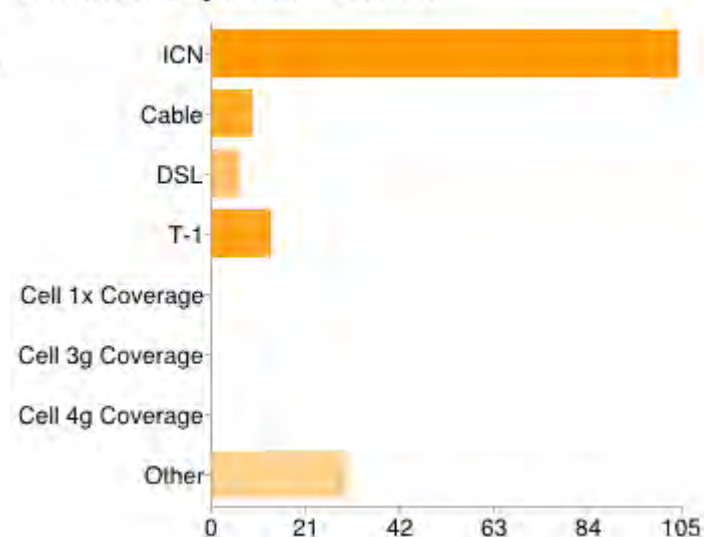


ICN	30	40%
Cable	10	13%
DSL	17	23%
T-1	2	3%
Cell 1X Coverage	0	0%
Cell 3g Coverage	0	0%
Cell 4G Coverage	0	0%
Other	16	21%

← District has dissimilar bandwidth

All buildings same service →

Current Primary Internet Provider



ICN	104	64%
Cable	9	6%
DSL	6	4%
T-1	13	8%
Cell 1x Coverage	0	0%
Cell 3g Coverage	0	0%
Cell 4g Coverage	0	0%
Other	30	19%

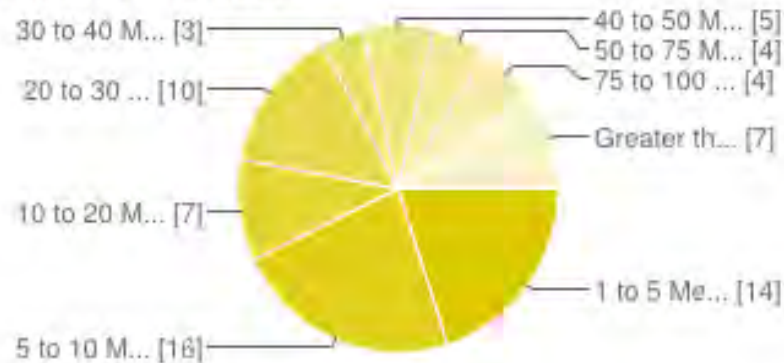
Bandwidth Provided

For those schools not connected to the ICN, less bandwidth is reported. Most report bandwidth in the 5 to 10 megabit range, roughly one-third of the speed reported by other districts.

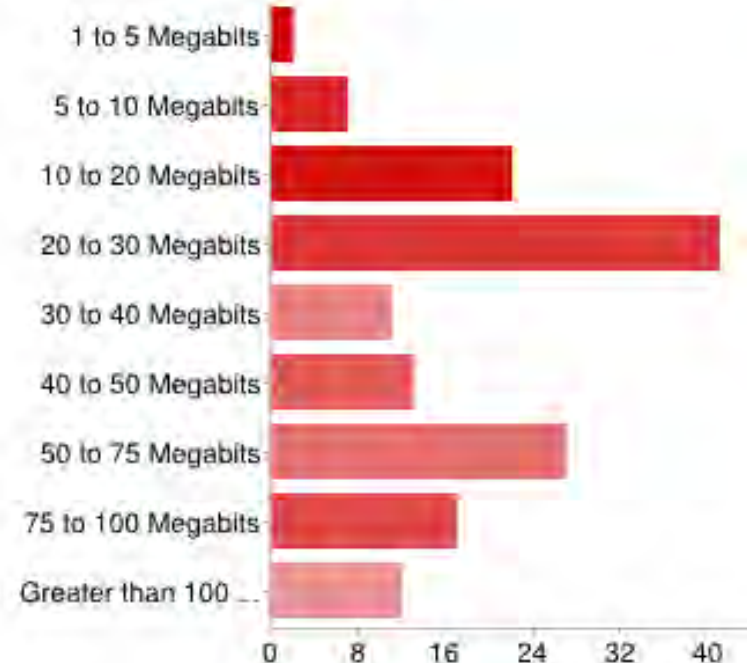
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Bandwidth Provided



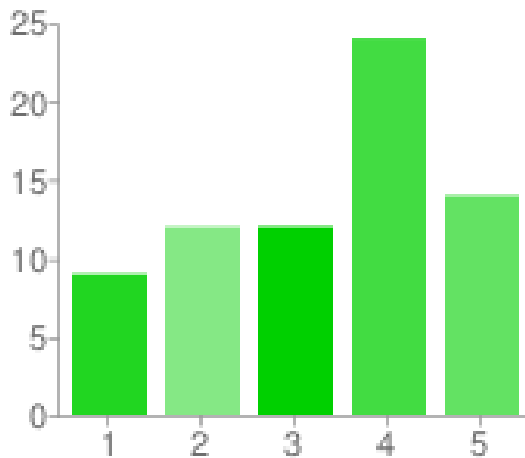
Current Bandwidth Provided



Level of Satisfaction with Bandwidth

A majority of districts report being mostly satisfied with their level of satisfaction of current bandwidth, however 9 buildings report being completely dissatisfied with their bandwidth

Level of Satisfaction with Current Bandwidth

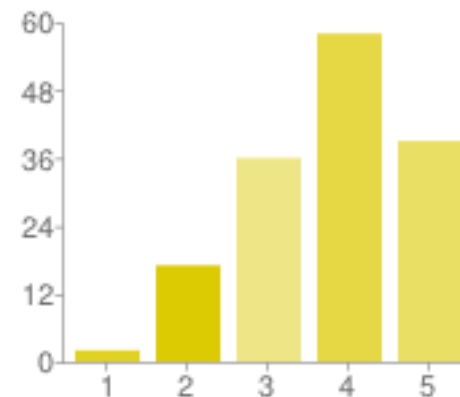


↑ District has dissimilar bandwidth

All buildings same service



Level of Satisfaction with Current Bandwidth



1 Completely Unsatisfied – 5 Completely Satisfied

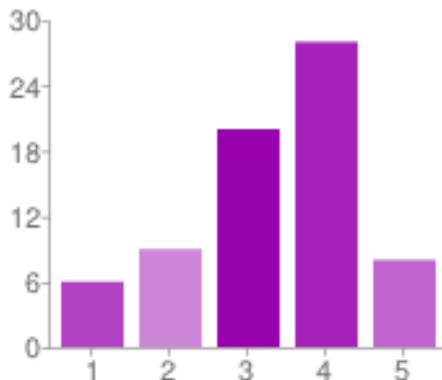
Cost Satisfaction

A majority of districts report being mostly or completely satisfied with their level of cost satisfaction with their current provider, however fewer with lower bandwidth report being completely satisfied.

District has
dissimilar
bandwidth



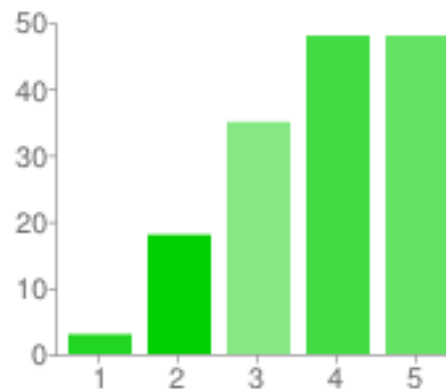
Level of Satisfaction with COST of Current Bandwidth



All buildings same
service



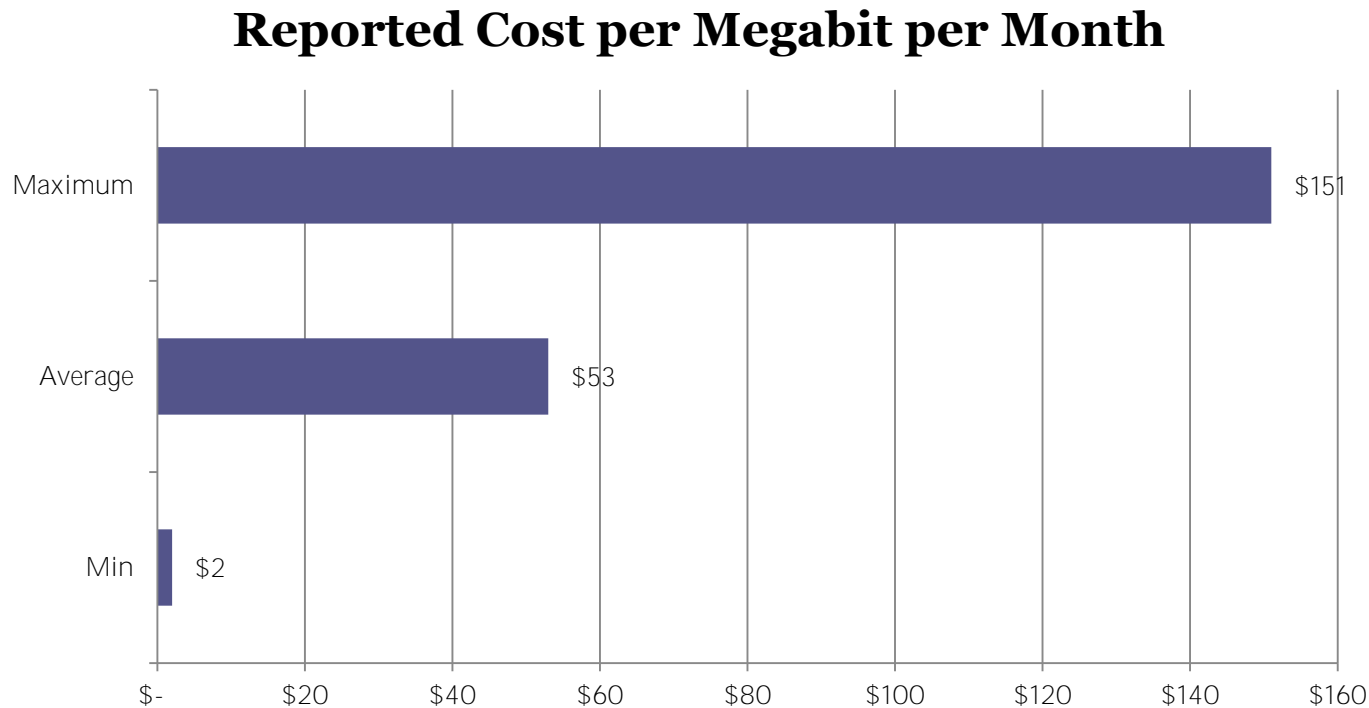
Level of Satisfaction with COST of Current Bandwidth



1 Completely Unsatisfied – 5 Completely Satisfied

Cost

- When comparing relative cost, a cost per megabit per month was utilized. Costs vary widely around the state.



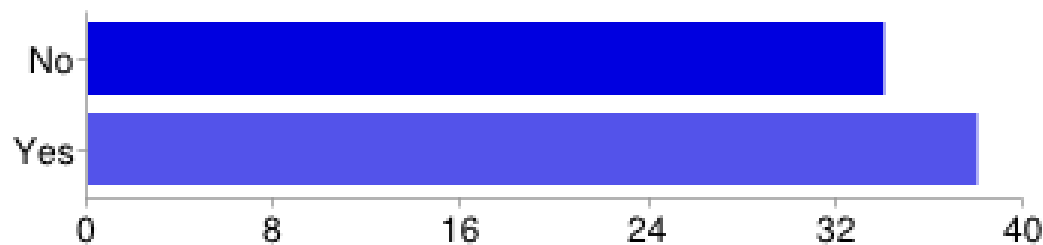
More Bandwidth Needed?

Extrapolating the results statewide, approximately 80 to 90 districts need more bandwidth than their current provider is able to provide.

District has dissimilar bandwidth

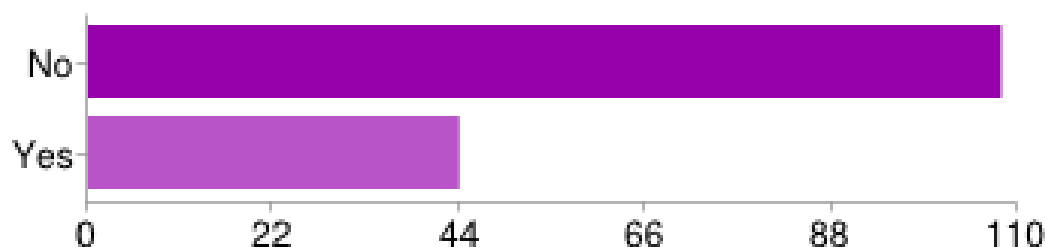


Does the building need more bandwidth than your current provider provides?



No	34	47%
Yes	38	53%

Does the district need more bandwidth than your current provider provides?



No	108	71%
Yes	44	29%



All buildings same service

Summary / Reflections

- If the results of the survey are applicable on a statewide basis, a need exists for greater bandwidth in about one-third of Iowa school districts.
- School districts with different levels of internet service have lower bandwidth than districts with a single internet provider
- More schools are satisfied with their internet service if all schools share same level of internet service (usually ICN).

Further Work

- Additional tabulations of cost of internet provision will be provided.
- Map of survey responses will be provided.

Questions or Comments?

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